

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 8/6/2015</b>	Man Days: 1
<b>Inspection Unit: Hillsboro/Mt. Clare</b>	
<b>Location of Audit: Hillsboro</b>	
<b>Exit Meeting Contact: Chuck Tebbe</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Charles Gribbins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Chuck Tebbe	Quality Assurance Consultant	(618) 210-5018

CUSTOMER METER & REGULATOR		Status
<b><u>Category Comment:</u></b>		
<i>The following meters were inspected verifying the information to the questions listed in each section dealing with customer meter locations:</i> 215 Loomis Lane 243 Loomis Lane 501 Minton Avenue 702 Loomis Lane 257 Loomis Lane 120 West St. John Street		
[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff inspected several large meters during this inspection, Staff encountered a leak at 120 West St. John Street in Litchfield and at that time a service person was dispatched to investigate the leak on the meter set. After completing the investigation several leaks were found on this meter set and both were repaired before staff left this location. The leaks were repaired by doping the fittings and then tightening the fittings.</i>		

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[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Satisfactory</b>
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>During this audit staff did not encounter any locations that were subject to flooding that would affect the meter sets.</i>		
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Most meter were found to have a case rating of 5 psig.</i>		
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not encounter any curb valves on the service lines</i>		
[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not encounter or inspect facilities that had been discontinued for locking devices.</i>		
<b>CATHODIC PROTECTION</b>		<b>Status</b>
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
[192.465(a)]	Were pipe to soil readings taken?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Cathodic Protection readings were taken at the following locations:  Regulator Station 66-88 -1.19 volts  Regulator Station 66-93 -1.23 volts  Regulator Station 66-91 -1.22 volts</i>		
[192.465(b)]	Were rectifier installations inspected?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The Ameren Litchfield location does not contain a rectifier.</i>		

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[192.465(a)]	Were isolated mains/services tested?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not verify any isolated mains/services during this field audit.</i>		
[192.465(c)]	Were critical/non critical bonds tested?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not verify that the system contain any bonds critical or non-critical at the time of this inspection.</i>		
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff verified that electrical isolation was provided by use of insulated meter spuds and insulated flanges at the regulating stations.</i>		
[192.467(c)]	Were casings installations tested for electrical isolation?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not verify casings installations at the time of this audit.</i>		
[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory
<b><u>General Comment:</u></b> <i>All above ground piping was found to have been painted at all above grade piping at the meter sets and regulating stations.</i>		
[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory
<b><u>General Comment:</u></b> <i>There was no corrosion or pitting occurring on any of the above grade piping at the meter sets and regulating stations.</i>		
<b>DAMAGE PREVENTION</b>		<b>Status</b>
[192.614]	Does the operator have a valid notification of planned excavation activities?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not inspect any excavation activities during this inspection.</i>		
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not inspect any excavation activities during this inspection.</i>		
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not inspect any excavation activities during this inspection.</i>		

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[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff encountered one location where a vent pipe and sign were missing at a road crossing in the Hillsboro Service Area. The vent pipe and sign were replaced the next day. It appears that the farmer had plowed over this location and was contacted by Ameren about damaging the facilities. Before completing the audit Ameren had replaced the vent and replaced all the signs in that area.</i>		
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	<b>Satisfactory</b>
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	<b>Satisfactory</b>
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	<b>Satisfactory</b>
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	<b>Satisfactory</b>
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>The following pressure regulating station were inspected:  Regulating Station 66-87 this station has a first cut and second regulators, first cut 2 Mooney regulators with a Mooney relief device, second cut 2 Equimeter 441-57S regulator and American-Axial Flow 300-5 relief device.  Regulating Station 66-88 this station has an Equimeter regulator and Equimeter relief device.  Regulating Station 66-93 this station has an Equimeter regulator and Equimeter relief device.  Regulating Station 66-91 this station has a first cut and second cut regulator, first cut 2 Equimeter regulators and a Mooney relief device. Second cut Equimeter regulator and an Equimeter relief device.</i>		
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff verified the inspection date by having the operator provide the following documents Pressure Control Station Inspection Form.</i>		
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		

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<i>The above ground stations are protected from damage by distance from the roadway, fencing and barricades.</i>		
[192.741(a),192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not review the telemetering at the time of inspection these indications would be found in Springfield Gas Control.</i>		
[192.743(a)]	Is overpressure protection provided on the pipeline downstream of the take point?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not check the downstream piping to confirm overpressure protection at the time of this inspection.</i>		
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The support for the pressure relief and or pressure limiting devices were made of steel piping.</i>		
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff inspected the pressure relief devices and all were equipped with a flapper device to prevent accumulation of water, ice, or snow and at all location where it can vent freely to the atmosphere.</i>		
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff checked the valves that are located under the relief devices were locked or in a fenced station with at least six foot fence with three strands of barbed wire at the top of the fence.</i>		
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff inspected the fire valves that were associated with the regulator stations listed below:                      Station 66-91                      Station 66-93                      Station 66-88                      Station 66-87</i>		
<b>ODORIZATION OF GAS</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>Staff did not conduct an Odor Intensity Level inspection during this field inspection. There was not any Odorization equipment at this location.</i>		

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[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	Not Checked
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	Not Checked
[192.625(f)]	Was the operator's equipment calibrated as required?	Not Checked
<b>TRANSMISSION</b>		<b>Status</b>
<u><b>Category Comment:</b></u> <i>There was not any transmission valves located in the distribution system.</i>		
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	Not Checked
[192.745(a)]	Were the valves inspected accessible?	Not Checked
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	Not Checked
<u><b>General Comment:</b></u> <i>Staff did not verify any pre-tested transmission pipe inventory at the time of inspection.</i>		
[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	Not Checked
<u><b>General Comment:</b></u> <i>Staff did not observe any blow down valves on the transmission lines.</i>		
<b>MARKING OF MATERIAL</b>		<b>Status</b>
[192.63(a)]	Does the operator's components and pipe contain the required markings?	Not Checked
<u><b>General Comment:</b></u> <i>Staff did not inspect any components or pipes for the required markings during this inspection.</i>		
<b>OPERATOR QUALIFICATION</b>		<b>Status</b>
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		No
<u><b>General Comment:</b></u> <i>Staff did not conduct any Operator Qualifications Field inspections during this audit.</i>		

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